VTR-I-03B130 3mm Blue Round LED Diode

Application: Mobile phones * LCD Backlighting * Marker Lights * Auto Instrument

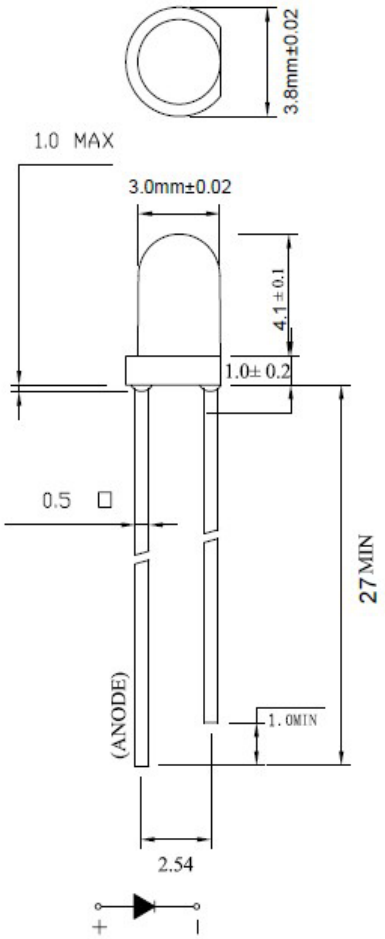
Absolute Maximum Ratings at TA=25℃		
Parameter	**Maximum Rating**	**Unit**
Power Dissipation	110	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	50	mA
DC Forward Current	25	mA
Reverse Voltage	5	V
Operating Temperature Range	-20℃ to +80℃	
Storage Temperature Range	-40℃ to +100℃	
Lead Soldering Temperature [1.6mm(.063″) From Body]	260℃ for 5 seconds	

Electrical Optical Characteristics at TA=25℃						
Parameter	**Symbol**	**Min**	**Typ.**	**Max.**	**Unit**	**Test Condition**
Luminous Intensity	Iv	2000		6000	mcd	IF=20mA
Viewing Angle	2θ1/2		30		deg	
Peak Emission Wavelength	λp				nm	
Dominant Wavelength	λd	460		465	nm	IF=20mA
Spectral Line Half-Width	△λ		30		nm	
Forward Voltage	VF	3.2		3.4	V	IF=20mA
Reverse Current	IR			40	μA	VR=5V

Note: 1. Luminous intensity is measured with a light sensor and filter combination that approximates CIE(Commission International Dd L Eclairage) eye-response curve.

2. θ1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength, λd is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.
4. The Iv guarantee should be added ±15%.

Package Dimensions:



Lens	Material	Emitting Color
Water.Clear	InGaN	Blue

Notes

1. All dimensions are in millimeters.
2. Tolerlance is ±0.25mm unless otherwise noted.
3. Protruded resin under flange is 1.0mm max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

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